

## **Yearly report for the Earth, Planetary and Space Sciences Institute, 2010-2011**

The purpose of the Earth, Planetary and Space Sciences Institute (EPSSI) is to enable its members to offer programs and to pursue research opportunities that are beyond the scope of individual departments. The Charter<sup>1</sup> for the Earth, Planetary and Space Sciences Institute states that the Institute will:

- Contribute to startup funds to support new faculty.
- Provide funding for postdoctoral scholars.
- Support and oversee the graduate program in Atmospheric Sciences.
- Recruit and support graduate students.
- Support multi-PI proposals.

EPSSI's activities in fiscal year 2010-11 are aligned with those stated above as follows:

- The Institute is contributing \$22,000 over two years (this year and next) to startup for a new faculty member in Geology.
- The Institute has spent \$32,229 to support graduate students in four departments (tuition and stipend) in this fiscal year.
- As indicated in last year's report, the Institute committed funds (as required cost share) for support of a postdoctoral scholar working on the Cloud Chamber MRI. That proposal was funded and EPSSI provided \$34,650 in the first year of the grant.
- The Institute committed \$10,000 as cost share for an OC/EC analyzer requested through Michigan Tech's REF-Infrastructure Enhancement program. That proposal was selected for funding, though REF funds are not available until July 1.
- EPSSI coordinates one of the longest running, most successful seminar series on campus – the Remote Sensing Seminar. In fiscal year 2010-11, the Institute spent \$11,118 on the seminar series. See Appendix A for a list of the seminar speakers.

### **Facts and Figures, Specific to Fiscal Year 2010-2011**

There were 31 grants affiliated with EPSSI in this fiscal year with a total expected expenditure over the lifetime of the grants of \$13,701,279.

In fiscal year 2010-11, 24 EPSSI affiliated grants were submitted (\$7,731,041 requested). Ten proposals were funded in 2010-11 (\$4,050,071). Thirteen of the proposals are still pending. (Note that a proposal funded in 2010-11 need not have been submitted in the same fiscal year.)

There are nine (four incoming students) graduate students in the Atmospheric Sciences program, which EPSSI oversees. The Atmospheric Sciences program received 17 applications this year.

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1 [www.epssi.mtu.edu/EPSSI\\_RSI\\_Charter.pdf](http://www.epssi.mtu.edu/EPSSI_RSI_Charter.pdf)

## Appendix A: Seminar Speakers, Fall 2010<sup>2</sup>

<i>Speaker</i>	<i>Affiliation</i>
Florian M. Schwandner	Earth Observatory of Singapore
David Parrish	NOAA ESRL
Will Cantrell, Claudio Mazzoleni, Lynn Mazzoleni, and Raymond Shaw	Michigan Tech
Alistair Smith	University of Idaho
Dave Schwab	NOAA Great Lakes Environmental Research Laboratory
Jed O. Kaplan	Environmental Engineering Institute , Ecole Polytechnique Fédérale de Lausanne (EPFL) Lausanne, Switzerland
John Chadwick	University of North Carolina Charlotte
V. Rao Kotamarthi	Environmental Science Division , Argonne National Lab
Jonathan M. Lees	University of North Carolina at Chapel Hill
Elizabeth Hays	NASA Goddard Space Flight Center
Gabriele Pfister	National Center for Atmospheric Research
Robert Kayen	US Geological Survey

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<sup>2</sup> See [www.epssi.mtu.edu/seminar/index.html](http://www.epssi.mtu.edu/seminar/index.html) for titles and abstracts.